

Claim Amendments

Please amend the claims as follows:

1. (currently amended) A control for controlling a plurality of motors for stopping said motors at a home orientation wherein each of said motors has a first contact, a second contact, and an output shaft, said plurality of motors being configured in a grid having columns and rows with said first ~~contact~~ contacts of all of said motors in one of said columns connected in parallel and said second ~~contact~~ contacts of all of said motors in one of said rows connected in parallel, wherein one of said plurality of motors in a first column and in a first row is energized by directing electric power across said first contact of said first column and said second contact of said first row, said controller comprising

a switch on each of said plurality of motors,

said switch having a first contact, a second contact, an open position, and a closed position,

said output shaft actuating said switch when said shaft is at said home orientation,

for each one of said motors, said first contact of said switch connected to said first contact of said motor,

a detector for detecting a change in electric potential, and

said second contact of said switches of said first row of said plurality of motors connected in parallel and connected by a detector line to said detector for detecting a

change in electric potential ~~without being connected to a contact of a motor~~ wherein said detector line is independent of a circuit for applying power to said plurality of motors, and wherein said detector will detect a change in potential when said shaft of said one of said motors rotates to its said home orientation.

2. (original) The control of claim 1 and further comprising means in series with said switch for preventing a reverse current through said switch.

3. (currently amended) The method of controlling a plurality of motors for stopping said motors at a home orientation wherein each of said motors has a first contact, a second contact, and an output shaft, said plurality of motors being configured in a grid having columns and rows with said first contact ~~contacts~~ of all of said motors in one of said columns connected in parallel and said second contact ~~contacts~~ of all of said motors in one of said rows connected in parallel, wherein one of said plurality of motors in a first column and in a first row is energized by directing electric power across said first contacts of said first column and across said second contacts of said first row, said controller comprising

providing a switch on each of said plurality of motors wherein said switch has a first contact, a second contact, an open position, and a closed position,

providing means on each said output shaft for actuating said switch when said shaft is at said home orientation,

connecting said first contact of said switch to said first contact of ~~said each of~~ said motors, for each of said plurality of said motors.

providing means for detecting a change in electric potential, and
connecting said second contact of said switches of said a first row of said plurality of motors in parallel ~~and~~ to said means for detecting a change in electric potential by a detector line wherein said detector line is independent of a circuit for applying power to said plurality of motors, and without being connected to a contact of one of said motors wherein said means for detecting will detect a change in potential when said shaft of said one of said plurality of motors rotates to its said home orientation.

4. (original) The method of claim 3 and comprising the further step of providing means in series with said switch for preventing a reverse current through said switch.

5. (currently amended) In a control for controlling a plurality of motors for stopping said motors at a home orientation wherein each of said motors has a first contact, a second contact, and an output shaft, said plurality of motors being configured in a grid having columns and rows with said first contact ~~contacts~~ of all of said motors in one of said columns connected in parallel wherein said first contact ~~contacts~~ of said plurality of motors of a first of said columns are connected through a first switch to a first pole of a source of electric power and said second contact ~~contacts~~ of all of said motors in a first of said rows are connected through a second switch to a second pole of said source of electric power, wherein one of said plurality of motors in a said first column and in said first row is energized by closing said first and second switches and directing electric power across said first contacts of said first column and said second contacts of

said first row, a switch on each of said plurality of motors, said switch having a first contact, a second contact, an open condition and a closed condition, and means on said output shaft for actuating said switch when its said shaft is in its said home orientation, the improvement comprising

for each one of said plurality of motors, said first contact of said switch thereon connected to said first contact of said motor,

means for detecting a change in electric potential, and

for each one of said plurality of motors in said first row of motors said second contact of said switch connected in parallel to said means for detecting a change in electric potential by a detector line independent of a circuit to apply power to said motor,
~~without being connected to one of said contacts of a motor,~~ wherein said means for detecting will detect a change in potential when said first and second switches are closed and said output shaft of said one of said motors has rotated to its said home orientation.

6. (original) The improvement of claim 5 and further comprising means in series with said switch for preventing a reverse current through said switch.